

3 September, 2003

Bruce Lewis Environmental Resources Management 2525 Natomas Park Drive, Suite 350 Sacramento, CA 95833

RE: Aerojet RI/FS Work Order: P308140

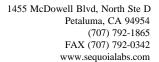
Enclosed are the results of analyses for samples received by the laboratory on 08/07/03 13:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angelee Cari Project Manager

CA ELAP Certificate #2374

Angelee Care





Project Number: N/A
Project Manager: Bruce Lewis

Reported: 09/03/03 12:51

P308140

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
33D-SB01-1	P308140-01	Soil	08/07/03 08:34	08/07/03 13:10
33D-SB01-5	P308140-02	Soil	08/07/03 08:55	08/07/03 13:10
33D-SB01-10	P308140-03	Soil	08/07/03 09:37	08/07/03 13:10
33D-SB01-15	P308140-04	Soil	08/07/03 09:53	08/07/03 13:10
33D-SB01-20	P308140-05	Soil	08/07/03 10:05	08/07/03 13:10
33D-SB01-30	P308140-06	Soil	08/07/03 10:50	08/07/03 13:10
33D-SB01D-30	P308140-07	Soil	08/07/03 10:50	08/07/03 13:10
33D-SB01-35	P308140-08	Soil	08/07/03 11:15	08/07/03 13:10
33D-SB01-40	P308140-09	Soil	08/07/03 11:50	08/07/03 13:10
33D-SB01-45E	P308140-10	Water	08/07/03 11:58	08/07/03 13:10
33D-SB01-45	P308140-11	Soil	08/07/03 12:15	08/07/03 13:10





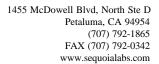
Project: Aerojet RI/FS
Project Number: N/A

P308140 **Reported:** 09/03/03 12:51

Tentatively Identified Compounds by GC/MS Sequoia Analytical - Petaluma

Project Manager: Bruce Lewis

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
33D-SB01-1 (P308140-01) Soil	Sampled: 08/07/0	3 08:34	Received:	08/07/03	3 13:10					
No TICs found	ND		300	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
33D-SB01-5 (P308140-02) Soil	Sampled: 08/07/0	3 08:55	Received:	08/07/03	3 13:10					
No TICs found	ND		300	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
33D-SB01-10 (P308140-03) Soil	Sampled: 08/07/	03 09:37	Received	: 08/07/0	3 13:10					
No TICs found	ND		300	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
33D-SB01-15 (P308140-04) Soil	Sampled: 08/07/	03 09:53	Received	: 08/07/0	3 13:10					
No TICs found	ND		300	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
33D-SB01-20 (P308140-05) Soil	Sampled: 08/07/	03 10:05	Received	: 08/07/0	3 13:10					
No TICs found	ND		300	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
33D-SB01-30 (P308140-06) Soil	Sampled: 08/07/	03 10:50	Received	: 08/07/0	3 13:10					
No TICs found	ND		300	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
33D-SB01D-30 (P308140-07) So	il Sampled: 08/0	7/03 10:5	0 Receive	ed: 08/07	7/03 13:10					
No TICs found	ND		300	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
33D-SB01-35 (P308140-08) Soil	Sampled: 08/07/	03 11:15	Received	: 08/07/0	3 13:10					
No TICs found	ND		300	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
33D-SB01-40 (P308140-09) Soil	Sampled: 08/07/	03 11:50	Received	: 08/07/0	3 13:10					
No TICs found	ND		300	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	



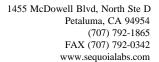


Project: Aerojet RI/FS Project Number: N/A P308140 **Reported:** 09/03/03 12:51

Tentatively Identified Compounds by GC/MS Sequoia Analytical - Petaluma

Project Manager: Bruce Lewis

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
33D-SB01-45E (P308140-10) Wa	ter Sampled: (8/07/03 11:5	58 Receiv	ed: 08/	07/03 13:10					
No TICs found	ND		10	ug/l	1	3080223	08/12/03	08/27/03	EPA 8270C	
33D-SB01-45 (P308140-11) Soil	Sampled: 08/0	7/03 12:15	Received:	08/07/0	03 13:10					
No TICs found	ND		300	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	

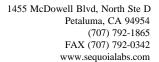




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

A. J.	D 1:	MDI	Reporting	TT.	D11 -2	D 1	D	A 1	Mala	N Y .
Analyte	Result	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
33D-SB01-1 (P308140-01) Soil	Sampled: 08/07	/03 08:34	Received:	08/07/03	13:10					
Acenaphthene	ND	8.7	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

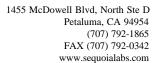




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Fluoranthene ND 11 330 "	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2,6-Dinitrotoluene ND 13 330 " " " " " " " " " " " " " " " " "	33D-SB01-1 (P308140-01) Soil	Sampled: 08/07	/03 08:34	Received:	08/07/03	13:10					
Di-n-octyl phthalate ND	2,4-Dinitrotoluene	ND	20	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Fluoranthene ND	2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Fluorante ND 7.9 330	Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Hexachlorobutadiene ND 15 330 " " " " " " " "	Fluoranthene	ND	11	330	"	"	"	"	"	"	
Hexachlorobutadiene	Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachloroethane ND	Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Indexect Indexect	Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Isophorone ND	Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Solution No. 14 330	Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
2-Methylphenol ND 16 330 " " " " " " " " " " " " " " " " " "	Isophorone	ND	14	330	"	"	"	"	"	"	
4-Methylphenol ND 11 330 " " " " " " " " " " " " " " " " " "	2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
Naphthalene ND 13 330 "	2-Methylphenol	ND	16	330	"	"	"	"	"	"	
2-Nitroaniline	4-Methylphenol	ND	11	330	"	"	"	"	"	"	
ND 18 1700	Naphthalene	ND	13	330	"	"	"	"	"	"	
4-Nitroaniline ND 22 1700 " " " " " " " " " " " " " " " " " "	2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
Nitrobenzene ND 16 330 " " " " " " " " " " " " " " " " " "	3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
2-Nitrophenol ND 14 330 " " " " " " " " " " " " " " " " " "	4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
4-Nitrophenol ND 23 1700 " " " " " " " " " N-Nitrosodimethylamine ND 16 330 " " " " " " " " " " " " " N-Nitrosodimethylamine ND 17 330 " " " " " " " " " " " " " " " " " "	Nitrobenzene	ND	16	330	"	"	"	"	"	"	
N-Nitrosodimethylamine ND 16 330 """"""""""""""""""""""""""""""""""	2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
N-Nitrosodimethylamine ND 16 330 """"""""""""""""""""""""""""""""""	4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine ND 15 330 " " " " " " " " " " " " " " " " " "	N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine ND 15 330 " " " " " " " " " " " " " " " " " "	N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
Pentachlorophenol ND 12 1700 "		ND	15	330	"	"	"	"	"	"	
Phenanthrene ND 14 330 "		ND	12	1700	"	"	"	"	"	"	
Pyrene ND 12 330 " " " " " " " " 1,2,4-Trichlorobenzene ND 15 330 " " " " " " " " " " " 2,4,5-Trichlorophenol ND 14 330 " " " " " " " " " " " " " " " " " "	Phenanthrene	ND	14	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	Phenol	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene ND 15 330 "	Pyrene	ND	12	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol ND 9.4 330 " " " " " " Surrogate: 2-Fluorophenol 52 % 11-120 "	-	ND	15	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol ND 9.4 330 " " " " " " Surrogate: 2-Fluorophenol 52 % 11-120 "	2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
Surrogate: Phenol-d6 64 % 16-130 " " " " " " Surrogate: Nitrobenzene-d5 59 % 16-126 " " " " " " Surrogate: 2-Fluorobiphenyl 67 % 28-134 " " " " " "	2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5 59 % 16-126 " " " " " Surrogate: 2-Fluorobiphenyl 67 % 28-134 " " " " " "	Surrogate: 2-Fluorophenol		52 %	11-12	20		"	"	"	"	
Surrogate: 2-Fluorobiphenyl 67 % 28-134 " " " "	Surrogate: Phenol-d6		64 %	16-13	30		"	"	"	"	
Surrogue. 2-1 tuorootphenyi 07 /0 20-134	Surrogate: Nitrobenzene-d5		59 %	16-12	26		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol 89 % 51-144 " " " "	Surrogate: 2-Fluorobiphenyl		67 %	28-13	34		"	"	"	"	
	Surrogate: 2,4,6-Tribromophenol	!	89 %	51-14	14		"	"	"	"	

Sequoia Analytical - Petaluma

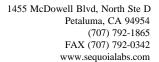




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
33D-SB01-1 (P308140-01) Soil	Sampled: 08/07	//03 08:34	Received:	08/07/03	13:10					
Surrogate: Terphenyl-d14		106 %	64-1.	19		3080396	08/21/03	08/28/03	EPA 8270C	
33D-SB01-5 (P308140-02) Soil	Sampled: 08/07	//03 08:55	Received:	08/07/03	13:10					
Acenaphthene	ND	8.7	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma





Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
33D-SB01-5 (P308140-02) Soil	Sampled: 08/07	/03 08:55	Received:	08/07/03	13:10					
4,6-Dinitro-2-methylphenol	ND	17	1700	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	,,	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND ND	13	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		52 %	11-12	20		"	"	"	"	
Surrogate: Phenol-d6		64 %	16-13			"	"	"	"	
						"	,,	"	"	
Surrogate: Nitrobenzene-d5		58 %	16-13 16-12							

Sequoia Analytical - Petaluma

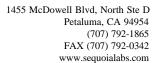




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Sampled: 08/07	//03 08:55	Received:	08/07/03	13:10		1			
Surrogate: 2-Fluorobiphenyl	Sumpreur vorv.	59 %	28-13		10110	3080396	08/21/03	08/28/03	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol		68 %	51-14			"	"	"	"	
Surrogate: Terphenyl-d14		107 %	64-11			"	"	"	"	
33D-SB01-10 (P308140-03) Soil	Sampled: 08/0	7/03 09:37			3 13:10					
Acenaphthene	ND	8.7	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	45	9.3	330	"	"	"	"	"	"	J
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	48	14	330	"	"	"	"	"	"	J

Sequoia Analytical - Petaluma

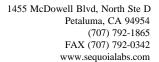




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
33D-SB01-10 (P308140-03) Soil	Sampled: 08/0'	7/03 09:37	Received:	08/07/03	3 13:10					
2,4-Dimethylphenol	ND	36	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		62 %	11-120)		"	"	"	"	

Sequoia Analytical - Petaluma

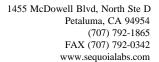




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
33D-SB01-10 (P308140-03) Soil	Sampled: 08/0	7/03 09:37	Received	: 08/07/03	3 13:10					
Surrogate: Phenol-d6		73 %	16-13	80		3080396	08/21/03	08/28/03	EPA 8270C	
Surrogate: Nitrobenzene-d5		65 %	16-12	26		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		65 %	28-13	34		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		83 %	51-14	14		"	"	"	"	
Surrogate: Terphenyl-d14		106 %	64-11	19		"	"	"	"	
33D-SB01-15 (P308140-04) Soil	Sampled: 08/0	7/03 09:53	Received	: 08/07/03	3 13:10					
Acenaphthene	ND	8.7	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

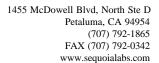




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
33D-SB01-15 (P308140-04) Soil	Sampled: 08/0	7/03 09:53	Received	: 08/07/03	3 13:10					
2,4-Dichlorophenol	ND	15	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Diethyl phthalate	86	14	330	"	"	"	"	"	"	J
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

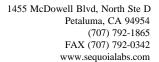




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
33D-SB01-15 (P308140-04) Soil	Sampled: 08/0	7/03 09:53	Received	: 08/07/03	3 13:10					
Surrogate: 2-Fluorophenol		65 %	11-12	20		3080396	08/21/03	08/28/03	EPA 8270C	
Surrogate: Phenol-d6		75 %	16-13	80		"	"	"	"	
Surrogate: Nitrobenzene-d5		74 %	16-12	26		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		73 %	28-13	34		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		83 %	51-14	14		"	"	"	"	
Surrogate: Terphenyl-d14		115 %	64-11	19		"	"	"	"	
33D-SB01-20 (P308140-05) Soil	Sampled: 08/0'	7/03 10:05	Received	: 08/07/03	3 13:10					
Acenaphthene	ND	8.7	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

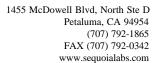




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
33D-SB01-20 (P308140-05) Soil	Sampled: 08/0	7/03 10:05	Received	: 08/07/03	3 13:10					
1,4-Dichlorobenzene	ND	15	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	100	14	330	"	"	"	"	"	"	J
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND ND	12	330	"	"	"	,,	,,	"	
Pyrene	ND ND	12	330	"	,,	"	"	"	"	
1,2,4-Trichlorobenzene	ND ND	15	330	"	,,	"	"	"	"	
1,2, 4 -111CHIOLOGEIZEIE	ND	13	330							

Sequoia Analytical - Petaluma

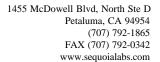




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
33D-SB01-20 (P308140-05) Soil	Sampled: 08/0	7/03 10:05	Received	: 08/07/03	3 13:10			· ·		
2,4,5-Trichlorophenol	ND	14	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		56 %	11-12	20		"	"	"	"	
Surrogate: Phenol-d6		70 %	16-13	30		"	"	"	"	
Surrogate: Nitrobenzene-d5		59 %	16-12	26		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		58 %	28-13	34		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		73 %	51-14	14		"	"	"	"	
Surrogate: Terphenyl-d14		110 %	64-11	19		"	"	"	"	
33D-SB01-30 (P308140-06) Soil	Sampled: 08/0	7/03 10:50	Received	: 08/07/03	3 13:10					
Acenaphthene	ND	8.7	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
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Sequoia Analytical - Petaluma

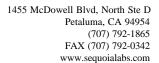




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
33D-SB01-30 (P308140-06) Soil	Sampled: 08/07	7/03 10:50	Received	: 08/07/03	3 13:10					
1,2-Dichlorobenzene	ND	16	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

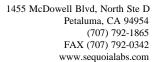




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
33D-SB01-30 (P308140-06) Soil	Sampled: 08/0	07/03 10:50	Received	: 08/07/03	3 13:10					
Phenol	ND	12	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		55 %	11-12	20		"	"	"	"	
Surrogate: Phenol-d6		70 %	16-13	30		"	"	"	"	
Surrogate: Nitrobenzene-d5		63 %	16-12	26		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		55 %	28-13	34		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		54 %	51-14	14		"	"	"	"	
Surrogate: Terphenyl-d14		112 %	64-11	19		"	"	"	"	
33D-SB01D-30 (P308140-07) Soi	l Sampled: 08	8/07/03 10:5	0 Receive	ed: 08/07/	03 13:10					
Acenaphthene	ND	8.7	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	**	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

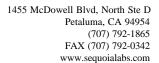




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	R MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
33D-SB01D-30 (P308140-07) Soil	Sampled: 08	3/07/03 10:50	Receive	ed: 08/07/	03 13:10					
Dibenz (a,h) anthracene	ND	18	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	200	14	330	"	"	"	"	"	"	J
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

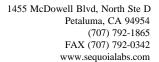




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

		T.	Reporting							
Analyte	Result	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
33D-SB01D-30 (P308140-07) Soil	Sampled: 08	8/07/03 10:50	Receive	ed: 08/07/	03 13:10					
Pentachlorophenol	ND	12	1700	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		47 %	11-12	20		"	"	"	"	
Surrogate: Phenol-d6		65 %	16-13	30		"	"	"	"	
Surrogate: Nitrobenzene-d5		61 %	16-12	26		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		50 %	28-13	34		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		33 %	51-14	14		"	"	"	"	S-LIM
Surrogate: Terphenyl-d14		112 %	64-11	19		"	"	"	"	
33D-SB01-35 (P308140-08) Soil	Sampled: 08/	07/03 11:15	Received	: 08/07/03	3 13:10					
Acenaphthene	ND	8.7	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

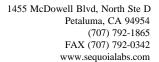




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
33D-SB01-35 (P308140-08) Soil	Sampled: 08/0	7/03 11:15	Received	: 08/07/03	3 13:10					
4-Chlorophenyl phenyl ether	ND	13	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	49	14	330	"	"	"	"	"	"	J
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

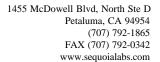




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Result	MDL	Reporting							
	WIDL	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ampled: 08/0	7/03 11:15	Received	: 08/07/03	13:10					
ND	17	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
ND	15	330	"	"	"	"	"	"	
ND	12	1700	"	"	"	"	"	"	
ND	14	330	"	"	"	"	"	"	
ND	12	330	"	"	"	"	"	"	
ND	12	330	"	"	"	"	"	"	
ND	15	330	"	"	"	"	"	"	
ND	14	330	"	"	"	"	"	"	
ND	9.4	330	"	"	"	"	"	"	
	59 %	11-12	20		"	"	"	"	_
	72 %	16-13	80		"	"	"	"	
	62 %	16-12	26		"	"	"	"	
	47 %	28-13	34		"	"	"	"	
	65 %	51-14	14		"	"	"	"	
	114 %	64-11	9		"	"	"	"	
ampled: 08/0	7/03 11:50	Received	: 08/07/03	13:10					
ND	8.7	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
ND	7.6	330	"	"	"	"	"	"	
ND	14	330	"	"	"	"	"	"	
ND	20	330	"	"	"	"	"	"	
ND	1700	1700	"	"	"	"	"	"	
ND	2.7	1700	"	"	"	"	"	"	
ND	7.6	330	"	"	"	"	"	"	
ND	13	330	"	"	"	"	"	"	
ND	8.8	330	"	"	"	"	"	"	
ND	10	330	"	"	"	"	"	"	
ND	11	660	"	"	"	"	"	"	
ND	9.1	330	"	"	"	"	"	"	
ND	15	330	"	"	"	"	"	"	
ND	16	330	"	"	"	"	"	"	
ND	9.3	330	"	"	"	"	"	"	
ND	13	330	"	"	"	"	"	"	
ND	11	330	"	"	"	"	"	"	
ND	58	660	"	"	"	"	"	"	
ND	11	660	"	"	"	"	"	"	
	MD ND	ND 15 ND 12 ND 14 ND 12 ND 12 ND 15 ND 15 ND 15 ND 14 ND 9.4 59 % 72 % 62 % 47 % 65 % 114 % ampled: 08/07/03 11:50 ND 8.7 ND 7.6 ND 14 ND 20 ND 1700 ND 2.7 ND 7.6 ND 13 ND 13 ND 8.8 ND 10 ND 11 ND 9.1 ND 9.1 ND 9.1 ND 9.3 ND 15 ND 16 ND 9.3 ND 13 ND 9.3 ND 13 ND 9.3 ND 11 ND 9.3 ND 13 ND 15 ND 16 ND 9.3 ND 13 ND 15 ND 15 ND 16 ND 9.3 ND 13 ND 15 ND 16 ND 9.3 ND 11 ND 58	ND 15 330 ND 12 1700 ND 14 330 ND 12 330 ND 12 330 ND 15 330 ND 15 330 ND 14 330 ND 9.4 330 59 % 11-12 72 % 16-13 62 % 16-13 62 % 16-12 47 % 28-13 65 % 51-14 114 % 64-11 114 % 64-11 ND 8.7 330 ND 14 330 ND 7.6 330 ND 14 330 ND 14 330 ND 1700 1700 ND 2.7 1700 ND 2.7 1700 ND 2.7 1700 ND 7.6 330 ND 13 330 ND 13 330 ND 13 330 ND 10 330 ND 10 330 ND 11 660 ND 9.1 330 ND 15 330 ND 16 330 ND 15 330 ND 16 330 ND 15 330 ND 16 330 ND 170 330 ND 170 330 ND 170 330 ND 170 330 ND 18 330 ND 19 330 ND 11 330 ND 15 330 ND 16 330 ND 17 330 ND 17 330 ND 18 330 ND 19 33 330 ND 11 330 ND 15 330 ND 16 330 ND 11 330 ND 15 330 ND 16 330 ND 17 330 ND 18 330 ND 19 33 330 ND 11 330 ND 13 330 ND 11 330 ND 13 330 ND 11 330 ND 13 330 ND 13 330 ND 13 330 ND 11 330 ND 13 330 ND 13 330 ND 11 330 ND 11 330 ND 58 660	ND 15 330 " ND 12 1700 " ND 14 330 " ND 12 330 " ND 12 330 " ND 15 330 " ND 15 330 " ND 15 330 " ND 16 330 " ND 1700 1700 " ND 14 330 " ND 15 330 " ND 15 330 " ND 16 330 " ND 1700 1700 " ND 1700 1700 " ND 2.7 1700 " ND 2.7 1700 " ND 330 " ND 13 330 " ND 10 330 " ND 10 330 " ND 10 330 " ND 11 660 " ND 9.1 330 " ND 15 330 " ND 16 330 " ND 16 330 " ND 170 170 330 " ND 18.8 330 " ND 18.8 330 " ND 19.1 330 " ND 11 330 " ND 15 330 " ND 15 330 " ND 16 330 " ND 170 330 " ND 18 330 " ND 19 330 " ND 16 330 " ND 17 330 " ND 18 330 " ND 19 3 330 " ND 11 330 " ND 13 330 "	ND 15 330 " " ND 12 1700 " " ND 14 330 " " ND 15 330 " " ND 14 330 " " ND 14 330 " " ND 15 330 " " ND 16 330 " " ND 1700 " " ND 1700 " " ND 1700 " " ND 1700 " " ND 13 330 " " ND 13 330 " " ND 11 660 " " ND 9.1 330 " " ND 11 660 " " ND 9.1 330 " " ND 15 330 " " ND 11 660 " " ND 9.3 330 " " ND 15 330 " " ND 16 330 " " ND 1700 1700 " " ND 9.1 330 " " ND 1700 1700 " " " ND 1700 1700 " " " ND 1700 1700 " " " ND 1700 1700 " " " ND 1700 1700 " " ND 1700 1700 " " " ND 1700 " " ND 1700 1700 " " " ND 1700 1700 " " " ND	ND 15 330 " " " " " ND 12 1700 " " " " " ND 14 330 " " " " " ND 12 330 " " " " " ND 15 330 " " " " " ND 15 330 " " " " " " ND 15 330 " " " " " " ND 14 330 " " " " " " " ND 9.4 330 " " " " " " " " ND 9.4 330 " " " " " " " " ND 9.4 330 " " " " " " " " ND 62 % 16-130 " " " " " " ND 65 % 51-144 " " 114 % 64-119 " " ND 14 330 " " " " " " " " ND 14 330 " " " " " " " ND 14 330 " " " " " " " ND 17.6 330 " " " " " " " " " ND 1700 1700 " " " " " " " " ND 1700 1700 " " " " " " " ND 1700 1700 " " " " " " " ND 7.6 330 " " " " " " " ND 13 330 " " " " " " " ND 13 330 " " " " " " " ND 13 330 " " " " " " " ND 13 330 " " " " " " " ND 11 660 " " " " " " ND 11 660 " " " " " " ND 11 660 " " " " " " ND 15 330 " " " " " " ND 15 330 " " " " " " ND 15 330 " " " " " " ND 15 330 " " " " " " ND 15 330 " " " " " " ND 15 330 " " " " " " ND 15 330 " " " " " " ND 15 330 " " " " " " " ND 15 330 " " " " " " " ND 15 330 " " " " " " " ND 15 330 " " " " " " " ND 15 330 " " " " " " " ND 15 330 " " " " " " " " ND 15 330 " " " " " " " " ND 15 330 " " " " " " " " ND 15 330 " " " " " " " " ND 15 330 " " " " " " " " ND 15 330 " " " " " " " " " ND 15 330 " " " " " " " " " ND 15 330 " " " " " " " " " " " " ND 15 330 " " " " " " " " " " " " " " " " " "	ND 15 330 " " " " " " " " ND 12 1700 " " " " " " " " " " " " " " " " " "	ND 15 330 " " " " " " " " ND 12 1700 " " " " " " " " " " ND 14 330 " " " " " " " " " " " " " " " " " "	ND 15 330 " " " " " " " " " " " " " " ND 12 1700 " " " " " " " " " " " " " " " " " "

Sequoia Analytical - Petaluma

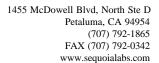




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

33D-SB01-40 (P308140-09) Soil Sampled: 08/07/03 11:50 Received: 08/07/03 13:10	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2-Chlorophenol ND 16 330 " " " " " " " " " " " " " " " " " "	33D-SB01-40 (P308140-09) Soil	Sampled: 08/0	7/03 11:50	Received	: 08/07/03	3 13:10					
A-Chlorophenyl phenyl ether	2-Chloronaphthalene	ND	9.9	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Chrysene ND 11 330 " <t< td=""><td>2-Chlorophenol</td><td>ND</td><td>16</td><td>330</td><td></td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></t<>	2-Chlorophenol	ND	16	330		"	"	"	"	"	
Dibenz (a,h) anthracene ND 18 330 " " " " " " " " " " " " " " " " "	4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Dibenzofuran ND 9.6 330 " " " " " " " " "	Chrysene	ND	11	330	"	"	"	"	"	"	
Di-n-butyl phthalate ND 12 330 " " " " " " " " "	Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
1,2-Dichlorobenzene ND 16 330 "	Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
1,3-Dichlorobenzene ND	Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,4-Dichlorobenzene ND 15 330 "	1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine ND 44 660 " </td <td>1,3-Dichlorobenzene</td> <td>ND</td> <td>14</td> <td>330</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
2,4-Dichlorophenol ND 15 330 "	1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate ND 14 330 "	3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dimethylphenol ND 36 330 "	2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Dimethyl phthalate ND 11 330 "	Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol ND 17 1700 " <t< td=""><td>2,4-Dimethylphenol</td><td>ND</td><td>36</td><td>330</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></t<>	2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
2,4-Dinitrophenol ND 10 1700 " " " " " " " " " " " " 2,4-Dinitrophenol ND 20 330 " " " " " " " " " " " " " " " " "	Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
2,4-Dinitrotoluene ND 20 330 " <td>4,6-Dinitro-2-methylphenol</td> <td>ND</td> <td>17</td> <td>1700</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,6-Dinitrotoluene ND 13 330 " <td>2,4-Dinitrophenol</td> <td>ND</td> <td>10</td> <td>1700</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
Di-n-octyl phthalate ND 11 330 " <td>2,4-Dinitrotoluene</td> <td>ND</td> <td>20</td> <td>330</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
Fluoranthene ND 11 330 "	2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Fluorene ND 7.9 330 " " " " " " " " " " " " Hexachlorobenzene ND 15 330 " " " " " " " " " " " " " " " " " "	Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Hexachlorobenzene ND 15 330 "	Fluoranthene	ND	11	330	"	"	"	"	"	"	
Hexachlorobutadiene ND 17 330 "	Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene ND 10 330 "	Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachloroethane ND 17 330 "	Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene ND 11 330 "	Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Isophorone ND 14 330 "	Hexachloroethane	ND	17	330	"	"	"	"	"	"	
2-Methylnaphthalene ND 10 330 " " " " " " "	Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
·	Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylphenol ND 16 330 " " " " " " "	2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
=	2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol ND 11 330 " " " " " " "		ND	11	330	"	"	"	"	"	"	
Naphthalene ND 13 330 " " " " " " "			13		"	"	"	"	"	"	
2-Nitroaniline ND 17 1700 " " " " " " "	-	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline ND 18 1700 " " " " " " "	3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline ND 22 1700 " " " " " " "	4-Nitroaniline			1700	"	"	"	"	"	"	
Nitrobenzene ND 16 330 " " " " " " "	Nitrobenzene	ND	16	330	"	"	"	"	"	"	

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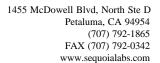




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

			Reporting							
Analyte	Result	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
33D-SB01-40 (P308140-09) Soil	Sampled: 08/0	7/03 11:50	Received	: 08/07/0	3 13:10					
2-Nitrophenol	ND	14	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	**	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		48 %	11-12	20		"	"	"	"	
Surrogate: Phenol-d6		66 %	16-13	80		"	"	"	"	
Surrogate: Nitrobenzene-d5		40 %	16-12	26		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		23 %	28-13	34		"	"	"	"	S-LIN
Surrogate: 2,4,6-Tribromophenol		53 %	51-14	14		"	"	"	"	
Surrogate: Terphenyl-d14		104 %	64-11	19		"	"	"	"	
33D-SB01-45E (P308140-10) Wat	ter Sampled:	08/07/03 11	:58 Recei	ved: 08/0	7/03 13:10)				
Acenaphthene	ND	1.2	10	ug/l	1	3080223	08/12/03	08/27/03	EPA 8270C	
Acenaphthylene	ND	1.4	10	"	"	"	"	**	"	
Anthracene	ND	0.62	10	"	"	"	"	"	"	
Azobenzene	ND	0.66	21	"	"	"	"	"	"	
Benzidine	ND	3.3	52	"	"	"	"	"	"	
Benzoic acid	ND	4.1	52	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.46	10	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	1.2	10	"	"	"	"	**	"	
Benzo (g,h,i) perylene	ND	0.67	10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.91	10	"	"	"	"	"	"	
		4.0	21	"	"	"	"	**	"	
Benzyl alcohol	ND	7.0					"	,,	,,	
•	ND ND	1.1	10	"	"	"	"	"	"	
Benzyl alcohol Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether			10 10	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether	ND ND	1.1 1.6	10							
Bis(2-chloroethoxy)methane	ND	1.1		"	"	"	"	"	"	

Sequoia Analytical - Petaluma

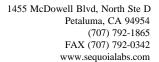




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	Rej MDL	porting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
33D-SB01-45E (P308140-10) Water		08/07/03 11:58					110pared	, 25 u		1,0100
Butyl benzyl phthalate	ND	2.8	10	ug/l	1	3080223	08/12/03	08/27/03	EPA 8270C	
4-Chloroaniline	ND	0.57	21	"	"	"	"	"		
4-Chloro-3-methylphenol	ND	2.4	21	"	"	"	"	"	"	
2-Chloronaphthalene	ND	1.5	10	"	"	"	"	"	"	
2-Chlorophenol	ND	0.32	10	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	1.0	10	"	"	"	"	"	"	
Chrysene	ND	0.47	10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.57	10	"	"	"	"	"	"	
Dibenzofuran	ND	1.2	10	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	1.2	10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.9	10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.9	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.8	10	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	3.0	21	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.49	10	"	"	"	"	"	"	
Diethyl phthalate	ND	0.44	10	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1.4	10	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.58	10	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	3.5	52	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	2.4	52	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.85	10	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.79	10	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.84	10	"	"	"	"	"	"	
Fluoranthene	ND	0.46	10	"	"	"	"	"	"	
Fluorene	ND	1.0	10	.,	"	"	"	"	"	
Hexachlorobenzene	ND	0.82	10	.,	"	"	"	"	"	
Hexachlorobutadiene	ND	1.5	10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.32	10	,,	,,	"	"	"	"	
Hexachloroethane	ND	1.8	10	,,	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND ND	0.64	10	"	,,	"	"	"	"	
Isophorone	ND ND	0.04	10	"	,,	"	"	"	"	
2-Methylnaphthalene	ND ND	1.5	10	,,	"	"	"	"	"	
-				,,	,,	"	,,	"	"	
2-Methylphenol	ND ND	3.5	10	,,	"	"	,,	"	"	
4-Methylphenol		3.1	10	,,	,,	,,	,,	,,	"	
Naphthalene	ND	1.6	10	.,	,,	"	,,	"	"	
2-Nitroaniline	ND	0.72	52		••	"	<i>A</i>	"		

Sequoia Analytical - Petaluma

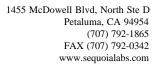




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	Re MDL	porting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
33D-SB01-45E (P308140-10) Water	Sampled:	08/07/03 11:58	Recei	ved: 08/0	7/03 13:10					
3-Nitroaniline	ND	0.56	52	ug/l	1	3080223	08/12/03	08/27/03	EPA 8270C	
4-Nitroaniline	ND	0.64	52	"	"	"	"	"	"	
Nitrobenzene	ND	1.4	10	"	"	"	"	"	"	
2-Nitrophenol	ND	0.44	10	"	"	"	"	"	"	
4-Nitrophenol	ND	0.53	52	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	1.5	21	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	4.0	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.60	10	"	"	"	"	"	"	
Pentachlorophenol	ND	3.2	52	"	"	"	"	"	"	
Phenanthrene	ND	0.58	10	"	"	"	"	"	"	
Phenol	ND	0.50	10	"	"	"	"	"	"	
Pyrene	ND	0.29	10	"	"	"	"	"	"	
Pyridine	ND	3.9	10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.8	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	0.64	10	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.32	10	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		52 %	15-10)3		"	"	"	"	
Surrogate: Phenol-d6		67 %	18-11	15		"	"	"	"	
Surrogate: Nitrobenzene-d5		<i>76</i> %	39-10)3		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		79 %	40-12	24		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		97 %	11-14	12		"	"	"	"	
Surrogate: Terphenyl-d14		118 %	56-13	39		"	"	"	"	
33D-SB01-45 (P308140-11) Soil S	ampled: 08/0	07/03 12:15 R	eceived	: 08/07/03	3 13:10					
Acenaphthene	ND	8.7	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma





Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

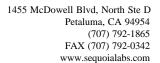
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
33D-SB01-45 (P308140-11) Soil	Sampled: 08/0	7/03 12:15	Received	: 08/07/03	3 13:10					
Bis(2-chloroethyl)ether	ND	15	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
JF										

Sequoia Analytical - Petaluma



Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
33D-SB01-45 (P308140-11) Soil	Sampled: 08/0	7/03 12:15	Received:	08/07/03	3 13:10					
2-Methylphenol	ND	16	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		52 %	11-120)		"	"	"	"	_
Surrogate: Phenol-d6		69 %	16-130)		"	"	"	"	
Surrogate: Nitrobenzene-d5		43 %	16-120	5		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		22 %	28-134	1		"	"	"	"	S-LIM
Surrogate: 2,4,6-Tribromophenol		76 %	51-144	1		"	"	"	"	
Surrogate: Terphenyl-d14		103 %	64-119)		"	"	"	"	





Tentatively Identified Compounds by GC/MS - Quality Control Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080223 - EPA 3520B I	LiqLiquid										
Blank (3080223-BLK1)		Prepared: 08/12/03 Analyzed: 08/26/03									

ug/l

10

Batch 3080396 - EPA 3550A Sonication

No TICs found

<u>Blank (3080396-BLK1)</u> Prepared: 08/21/03 Analyzed: 08/27/03

No TICs found ND 300 ug/kg

ND



Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD		l
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	l

Batch 3080223 - EPA 3520B LiqLiquid

Acenaphthene ND 1.2 10 ug/l Acenaphthylene ND 1.4 10 " Anthracene ND 0.60 10 " Azobenzene ND 0.63 20 " Benzoi caid ND 3.2 50 " Benzo (a) anthracene ND 0.44 10 " Benzo (a) preme ND 0.64 10 " Benzo (g,h.i) perylene ND 0.64 10 " Benzo (g,h.i) perylene ND 0.87 10 " Benzo (g,h.i) active ND 1.5 10 " Bis(2-chloroshylhether ND 1.5 10 "	Blank (3080223-BLK1)					Prepared: 08/12/03 Analyzed: 08/26/03
Anthracene ND 0.60 10 " Azobenzene ND 0.63 20 " Benzidine ND 3.2 50 " Benzidine ND 0.44 10 " Benzo (a) anthracene ND 0.44 10 " Benzo (a) anthracene ND 0.64 10 " Benzo (b+k) fluoranthene (total) ND 1.1 10 " Benzo (byrene ND 0.64 10 " Benzo (byrene ND 0.87 10 " Benzyl alcohol ND 3.9 20 " Bis(2-chloroethoxy)methane ND 1.1 10 " Bis(2-chloroethoxy)methane ND 1.5 10 " Bis(2-chloroethy)ether ND 1.5 10 " Bis(2-chloroethy)phthalate ND 2.8 10 " Bis(2-chloroethy)phthalate ND 2.8 10 " Bis(2-chlyhexyl)phthalate ND 2.7 10 " Bix(4-Chloro-3-methylphenol ND 0.55 20 " 4-Chloronaphthalene ND 0.55 20 " 4-Chloronaphthalene ND 0.31 10 " 4-Chloronaphthalene ND 0.31 10 " 4-Chlorophenol ND 0.31 10 "	Acenaphthene	ND	1.2	10	ug/l	
Name No.	Acenaphthylene	ND	1.4	10	"	
Benzoica acid Benzoica acid Benzo (a) anthracene ND 0.44 10 Benzo (b+k) fluoranthene (total) Benzo (b+k) fluoranthene (total) Benzo (a) pyrene ND 0.64 10 Benzo (a) pyrene ND 0.64 10 Benzo (a) pyrene ND 0.65 Bis(2-chloroethoxy)methane ND 0.87 ND 0.87 ND 0.87 ND 0.87 ND 0.87 ND 0.89 Benzo (a) pyrene ND 0.87 ND 0.87 ND 0.87 ND 0.87 ND 0.87 ND 0.89 Benzo (a) pyrene ND 0.87 ND 0.87 ND 0.87 ND 0.89 Benzo (a) pyrene ND 0.89 ND 0.89 ND 0.80 ND 0.80 ND 0.80 ND 0.80 ND 0.80 ND 0.81 ND 0.81 ND 0.81 ND 0.85	Anthracene	ND	0.60	10	"	
Benzoic acid ND 3.9 50 " Benzo (a) anthracene ND 0.44 10 " Benzo (b+k) fluoranthene (total) ND 0.64 10 " Benzo (a) pyrene ND 0.64 10 " Benzo (a) pyrene ND 0.87 10 " Benzy a lacholo ND 3.9 20 " Bis(2-chlorethoxy)methane ND 1.1 10 " Bis(2-chloroethylpether ND 1.5 10 " Bis(2-chloroethylpether) ND 1.5 10 " Bis(2-chloroethylpether) ND 1.5 10 " Bis(2-chloroethylphenol ND 2.8 10 " 4-Bromophenyl phenyl ether ND 0.7 10 " 4-Chloroaniline ND 0.55 20 " 4-Chloroaniline ND 0.5 20 " 4-Chloroaniline ND 0.5 10	Azobenzene	ND	0.63	20	"	
Benzo (a) anthracene ND 0.44 10 " Benzo (g.h.i) perylene ND 0.64 10 " Benzo (a) pyrene ND 0.87 10 " Benzo (a) pyrene ND 0.87 10 " Bis(2-chloroethoxy)methane ND 1.1 10 " Bis(2-chloroethyl)tether ND 1.5 10 " Bis(2-chloroisopropyl)ether ND 1.5 10 " Bis(2-chloroisopropyl)ether ND 0.70 10 " Butyl benzyl phthalate ND 2.8 10 " 4-Bromophenyl phenyl ether ND 0.55 20 " 4-Chloro-3-methylphenol ND 0.55 20 " 4-Chloro-3-methylphenol ND 0.31 10 " 2-Chlorophenol ND 0.31 10 " 4-Chlorophenyl phenyl ether ND 0.97 10 " 4-Chlorophenyl phenyl ether ND 0.97 10 " 5-Chrysene ND 0.45 10 " Dibenz (a,h) anthracene ND 0.55 10 " Dibenz (a,h) anthracene ND 1.1 10 " Di-n-butyl phthalate ND 1.1 10 " Di-n-butyl phthalate ND 1.8 10 " 1,3-Dichlorobenzene ND 1.8 10 " 1,4-Dichlorobenzene ND 1.8 10 " 1,4-Dichlorobenzene ND 0.47 10 "	Benzidine	ND	3.2	50	"	
Benzo (b+k) fluoranthene (total) ND 1.1 10 " Benzo (g,h.i) perylene ND 0.64 10 " Benzo (a) pyrene ND 0.87 10 " Benzyl alcohol ND 3.9 20 " Bis(2-chlorothyy)methane ND 1.1 10 " Bis(2-chlorothyl)ether ND 1.5 10 " Bis(2-chlorothyl)ether ND 1.5 10 " Bis(2-chlorothyl)ether ND 1.5 10 " Bis(2-chlylhexyl)phthalate ND 2.8 10 " 4-Bromophenyl phenyl ether ND 0.70 10 " 4-Bromophenyl phenyl ether ND 0.55 20 " 4-Chloro-3-methylphenol ND 2.3 20 " 4-Chlorophenyl phenyl ether ND 0.31 10 " Chrysene ND 0.45 10 " Dibenz (a,h) anthracene ND 0.55 <td>Benzoic acid</td> <td>ND</td> <td>3.9</td> <td>50</td> <td>"</td> <td></td>	Benzoic acid	ND	3.9	50	"	
Senzo (a)-hi perylene	Benzo (a) anthracene	ND	0.44	10	"	
Benzo (a) pyrene ND 0.87 10 "	Benzo (b+k) fluoranthene (total)	ND	1.1	10	"	
Benzyl alcohol ND 3.9 20 " Bis(2-chloroethxy)methane ND 1.1 10 " Bis(2-chloroethy)bether ND 1.5 10 " Bis(2-chlorospropyl)ether ND 1.5 10 " Bis(2-chlorospropyl)ether ND 1.5 10 " Bis(2-chlorospropyl)ether ND 2.8 10 " 4-Bromophenyl phenyl ether ND 0.7 10 " 4-Bromophenyl phenyl ether ND 0.55 20 " 4-Chloroa-3-methylphenol ND 0.55 20 " 4-Chloroa-3-methylphenol ND 1.4 10 " 2-Chlorophenol ND 0.31 10 " 4-Chloroaphthalene ND 0.41 10 " 4-Chlorophenol ND 0.45 10 " 4-Chlorophenol ND 0.45 10 " Dibenzofuran ND 1.1 10	Benzo (g,h,i) perylene	ND	0.64	10	"	
Bis(2-chloroethoxy)methane ND 1.1 10 " Bis(2-chloroethyl)ether ND 1.5 10 " Bis(2-chloroisopropyl)ether ND 1.5 10 " Bis(2-ethylhexyl)phthalate ND 1.5 10 " 4-Bromophenyl phenyl ether ND 0.70 10 " 4-Bromophenyl phenyl phthalate ND 0.70 10 " 4-Chloroaniline ND 0.55 20 " 4-Chloro-3-methylphenol ND 0.55 20 " 4-Chloro-3-methylphenol ND 0.31 10 " 2-Chlorophenol ND 0.31 10 " 2-Chlorophenol ND 0.31 10 " 4-Chlorophenyl phenyl ether ND 0.97 10 " Dibenz (a,h) anthracene ND 0.45 10 " Dibenz (a,h) anthracene ND 1.1 10 " Dibenz (brundama) ND 1	Benzo (a) pyrene	ND	0.87	10	"	
Bis(2-chloroethylether ND 1.5 10 " Bis(2-chloroisopropyl)ether ND 1.5 10 " Bis(2-ethylhexyl)phthalate ND 2.8 10 " 4-Bromophenyl phenyl ether ND 0.70 10 " Butyl benzyl phthalate ND 0.7 10 " 4-Chloroanlithe ND 0.55 20 " 4-Chloroa-3-methylphenol ND 2.3 20 " 4-Chloroaphthalene ND 0.4 10 " 2-Chlorophenol ND 0.31 10 " 4-Chlorophenyl phenyl ether ND 0.97 10 " Chrysene ND 0.45 10 " Dibenz (a,h) anthracene ND 0.55 10 " Dibenzofuran ND 1.1 10 " Di-n-butyl phthalate ND 1.8 10 " 1,3-Dichlorobenzene ND 1.8 10 <	Benzyl alcohol	ND	3.9	20	"	
Bis(2-chloroisopropyl)ether Bis(2-chloroisopropyl)ether ND D: Bis(2-chloroisopropyl)ether ND D: Bis(2-chloroisopropyl)ether ND D: Butyl benzyl phthalate ND D: Chloroaniline ND D: Chloroa	Bis(2-chloroethoxy)methane	ND	1.1	10	"	
Bis(2-ethylhexyl)phthalate ND 2.8 10 " 4-Bromophenyl phenyl ether ND 0.70 10 " Butyl benzyl phthalate ND 2.7 10 " 4-Chloroaniline ND 0.55 20 " 4-Chloro-3-methylphenol ND 2.3 20 " 2-Chlorophenol ND 0.31 10 " 4-Chlorophenyl phenyl ether ND 0.97 10 " Chrysene ND 0.45 10 " Dibenz (a,h) anthracene ND 0.55 10 " Dibenzofuran ND 1.1 10 " Di-n-butyl phthalate ND 1.1 10 " 1,2-Dichlorobenzene ND 1.8 10 " 1,3-Dichlorobenzene ND 1.8 10 " 1,4-Dichlorobenzene ND 1.8 10 " 2,4-Dichlorobenzidine ND 0.47 10 " <td>Bis(2-chloroethyl)ether</td> <td>ND</td> <td>1.5</td> <td>10</td> <td>"</td> <td></td>	Bis(2-chloroethyl)ether	ND	1.5	10	"	
## A-Bromophenyl phenyl ether ND 0.70 10 " ## Butyl benzyl phthalate ND 0.55 20 " ## 4-Chloro-a-methylphenol ND 0.55 20 " ## 2-Chloronaphthalene ND 1.4 10 " ## 2-Chlorophenol ND 0.31 10 " ## 4-Chlorophenol ND 0.31 10 " ## 4-Chlorophenyl phenyl ether ND 0.97 10 " ## 4-Chlorophenyl phenyl ether ND 0.97 10 " ## 5-Chrysene ND 0.45 10 " ## 5-Dibenz (a,h) anthracene ND 0.55 10 " ## 5-Dibenz (a,h) anthracene ND 1.1 10 " ## 5-Dibenz (a,h) anthracene ND 1.1 10 " ## 5-Di-n-butyl phthalate ND 1.1 10 " ## 7-Di-n-butyl phthalate ND 1.8 10 " ## 7-Di-n-butyl phthalate ND 0.47 10 " ## 7-Di-n-butyl phthalate ND 0.47 10 " ## 7-Di-n-butyl phthalate ND 0.42 10	Bis(2-chloroisopropyl)ether	ND	1.5	10	"	
Butyl benzyl phthalate ND 2.7 10 " 4-Chloroaniline ND 0.55 20 " 4-Chloro-3-methylphenol ND 2.3 20 " 2-Chloronaphthalene ND 1.4 10 " 2-Chlorophenol ND 0.31 10 " 4-Chlorophenyl phenyl ether ND 0.97 10 " Chrysene ND 0.45 10 " Dibenz (a,h) anthracene ND 0.55 10 " Dibenzofuran ND 1.1 10 " Di-n-butyl phthalate ND 1.1 10 " 1,2-Dichlorobenzene ND 1.8 10 " 1,3-Dichlorobenzene ND 1.8 10 " 1,4-Dichlorobenzidine ND 2.9 20 " 2,4-Dichlorophenol ND 0.47 10 " Diethyl phthalate ND 0.42 10 " <	Bis(2-ethylhexyl)phthalate	ND	2.8	10	"	
4-Chloroaniline ND 0.55 20 " 4-Chloro-3-methylphenol ND 2.3 20 " 2-Chlorophenol ND 0.31 10 " 4-Chlorophenol ND 0.97 10 " Chrysene ND 0.45 10 " Dibenz (a,h) anthracene ND 1.1 10 " Di-n-butyl phthalate ND 1.1 10 " 1,2-Dichlorobenzene ND 1.8 10 " 1,3-Dichlorobenzene ND 1.8 10 " 1,4-Dichlorobenzene ND 1.8 10 " 3,3'-Dichlorobenzene ND 2.9 20 " 2,4-Dichlorophenol ND 0.42 10 " Diethyl phthalate ND 0.42 10 " Diethyl phthalate ND 0.42 10 " Diethyl phthalate ND 0.42 10 "	4-Bromophenyl phenyl ether	ND	0.70	10	"	
4-Chloro-3-methylphenol ND 2.3 20 " 2-Chloronaphthalene ND 1.4 10 " 2-Chlorophenol ND 0.31 10 " 4-Chlorophenyl phenyl ether ND 0.97 10 " Chrysene ND 0.45 10 " Dibenz (a,h) anthracene ND 1.1 10 " Di-n-butyl phthalate ND 1.1 10 " 1,2-Dichlorobenzene ND 1.8 10 " 1,3-Dichlorobenzene ND 1.8 10 " 1,4-Dichlorobenzene ND 2.9 20 " 2,4-Dichlorophenol ND 0.47 10 " Diethyl phthalate ND 0.47 10 " Diethyl phthalate ND 0.42 10 " Diethyl phthalate ND 0.42 10 "	Butyl benzyl phthalate	ND	2.7	10	"	
2-Chloronaphthalene ND 1.4 10 " 2-Chlorophenol ND 0.31 10 " 4-Chlorophenyl phenyl ether ND 0.97 10 " Chrysene ND 0.45 10 " Dibenz (a,h) anthracene ND 0.55 10 " Dibenzofuran ND 1.1 10 " Di-n-butyl phthalate ND 1.1 10 " 1,2-Dichlorobenzene ND 1.8 10 " 1,3-Dichlorobenzene ND 1.8 10 " 1,4-Dichlorobenzene ND 1.8 10 " 3,3'-Dichlorobenzidine ND 2.9 20 " 2,4-Dichlorophenol ND 0.47 10 " Diethyl phthalate ND 0.42 10 " 2,4-Dimethylphenol ND 1.4 10 "	4-Chloroaniline	ND	0.55	20	"	
2-Chlorophenol ND 0.31 10 " 4-Chlorophenyl phenyl ether ND 0.97 10 " Chrysene ND 0.45 10 " Dibenz (a,h) anthracene ND 0.55 10 " Dibenzofuran ND 1.1 10 " Di-n-butyl phthalate ND 1.1 10 " 1,2-Dichlorobenzene ND 1.8 10 " 1,3-Dichlorobenzene ND 1.8 10 " 1,4-Dichlorobenzidine ND 2.9 20 " 2,4-Dichlorophenol ND 0.47 10 " Diethyl phthalate ND 0.42 10 " 2,4-Dimethylphenol ND 1.4 10 "	4-Chloro-3-methylphenol	ND	2.3	20	"	
4-Chlorophenyl phenyl ether ND 0.97 10 " Chrysene ND 0.45 10 " Dibenz (a,h) anthracene ND 0.55 10 " Dibenzofuran ND 1.1 10 " Di-n-butyl phthalate ND 1.1 10 " 1,2-Dichlorobenzene ND 1.8 10 " 1,3-Dichlorobenzene ND 1.8 10 " 1,4-Dichlorobenzene ND 1.8 10 " 3,3'-Dichlorobenzidine ND 2.9 20 " 2,4-Dichlorophenol ND 0.47 10 " Diethyl phthalate ND 0.42 10 " 2,4-Dimethylphenol ND 1.4 10 "	2-Chloronaphthalene	ND	1.4	10	"	
Chrysene ND 0.45 10 " Dibenz (a,h) anthracene ND 0.55 10 " Dibenzofuran ND 1.1 10 " Di-n-butyl phthalate ND 1.1 10 " 1,2-Dichlorobenzene ND 1.8 10 " 1,3-Dichlorobenzene ND 1.8 10 " 3,3'-Dichlorobenzene ND 1.8 10 " 2,4-Dichlorobenzidine ND 2.9 20 " 2,4-Dichlorophenol ND 0.47 10 " Diethyl phthalate ND 0.42 10 " 2,4-Dimethylphenol ND 1.4 10 "	2-Chlorophenol	ND	0.31	10	"	
Dibenz (a,h) anthracene ND 0.43 10 Dibenzofuran ND 1.1 10 " Di-n-butyl phthalate ND 1.1 10 " 1,2-Dichlorobenzene ND 1.8 10 " 1,3-Dichlorobenzene ND 1.8 10 " 1,4-Dichlorobenzene ND 1.8 10 " 3,3'-Dichlorobenzidine ND 2.9 20 " 2,4-Dichlorophenol ND 0.47 10 " Diethyl phthalate ND 0.42 10 " 2,4-Dimethylphenol ND 1.4 10 "	4-Chlorophenyl phenyl ether	ND	0.97	10	"	
Dibenzofuran ND 1.1 10 " Di-n-butyl phthalate ND 1.1 10 " 1,2-Dichlorobenzene ND 1.8 10 " 1,3-Dichlorobenzene ND 1.8 10 " 1,4-Dichlorobenzene ND 1.8 10 " 3,3'-Dichlorobenzidine ND 2.9 20 " 2,4-Dichlorophenol ND 0.47 10 " Diethyl phthalate ND 0.42 10 " 2,4-Dimethylphenol ND 1.4 10 "	Chrysene	ND	0.45	10	"	
Di-n-butyl phthalate ND 1.1 10 " 1,2-Dichlorobenzene ND 1.8 10 " 1,3-Dichlorobenzene ND 1.8 10 " 1,4-Dichlorobenzene ND 1.8 10 " 3,3'-Dichlorobenzidine ND 2.9 20 " 2,4-Dichlorophenol ND 0.47 10 " Diethyl phthalate ND 0.42 10 " 2,4-Dimethylphenol ND 1.4 10 "	Dibenz (a,h) anthracene	ND	0.55	10	"	
1,2-Dichlorobenzene ND 1.8 10 " 1,3-Dichlorobenzene ND 1.8 10 " 1,4-Dichlorobenzene ND 1.8 10 " 3,3'-Dichlorobenzidine ND 2.9 20 " 2,4-Dichlorophenol ND 0.47 10 " Diethyl phthalate ND 0.42 10 " 2,4-Dimethylphenol ND 1.4 10 "	Dibenzofuran	ND	1.1	10	"	
1,3-Dichlorobenzene ND 1.8 10 " 1,4-Dichlorobenzene ND 1.8 10 " 3,3'-Dichlorobenzidine ND 2.9 20 " 2,4-Dichlorophenol ND 0.47 10 " Diethyl phthalate ND 0.42 10 " 2,4-Dimethylphenol ND 1.4 10 "	Di-n-butyl phthalate	ND	1.1	10	"	
1,4-Dichlorobenzene ND 1.8 10 " 3,3'-Dichlorobenzidine ND 2.9 20 " 2,4-Dichlorophenol ND 0.47 10 " Diethyl phthalate ND 0.42 10 " 2,4-Dimethylphenol ND 1.4 10 "	1,2-Dichlorobenzene	ND	1.8	10	"	
3,3´-Dichlorobenzidine ND 2.9 20 " 2,4-Dichlorophenol ND 0.47 10 " Diethyl phthalate ND 0.42 10 " 2,4-Dimethylphenol ND 1.4 10 "	1,3-Dichlorobenzene	ND	1.8	10	"	
2,4-Dichlorophenol ND 0.47 10 " Diethyl phthalate ND 0.42 10 " 2,4-Dimethylphenol ND 1.4 10 "	1,4-Dichlorobenzene	ND	1.8	10	"	
Diethyl phthalate ND 0.42 10 " 2,4-Dimethylphenol ND 1.4 10 "	3,3´-Dichlorobenzidine	ND	2.9	20	"	
2,4-Dimethylphenol ND 1.4 10 "	2,4-Dichlorophenol	ND	0.47	10	"	
	Diethyl phthalate	ND	0.42	10	"	
Dimethyl phthalate ND 0.56 10 "	2,4-Dimethylphenol	ND	1.4	10	"	
	Dimethyl phthalate	ND	0.56	10	"	

Sequoia Analytical - Petaluma



Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD	
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 3080223 - EPA 3520B LiqLiquid

Blank (3080223-BLK1)					Prepared: 08/12/03 Analyzed: 08/26/03
4,6-Dinitro-2-methylphenol	ND	3.4	50	ug/l	
2,4-Dinitrophenol	ND	2.3	50	"	
2,4-Dinitrotoluene	ND	0.82	10	"	
2,6-Dinitrotoluene	ND	0.76	10	"	
Di-n-octyl phthalate	ND	0.81	10	"	
Fluoranthene	ND	0.44	10	"	
Fluorene	ND	1.0	10	"	
Hexachlorobenzene	ND	0.79	10	"	
Hexachlorobutadiene	ND	1.5	10	"	
Hexachlorocyclopentadiene	ND	0.31	10	"	
Hexachloroethane	ND	1.7	10	"	
Indeno (1,2,3-cd) pyrene	ND	0.61	10	"	
Isophorone	ND	0.71	10	"	
2-Methylnaphthalene	ND	1.4	10	"	
2-Methylphenol	ND	3.4	10	"	
4-Methylphenol	ND	3.0	10	"	
Naphthalene	ND	1.6	10	"	
2-Nitroaniline	ND	0.69	50	"	
3-Nitroaniline	ND	0.54	50	"	
4-Nitroaniline	ND	0.61	50	"	
Nitrobenzene	ND	1.3	10	"	
2-Nitrophenol	ND	0.42	10	"	
4-Nitrophenol	ND	0.51	50	"	
N-Nitrosodimethylamine	ND	1.4	20	"	
N-Nitrosodiphenylamine	ND	3.9	10	"	
N-Nitrosodi-n-propylamine	ND	0.58	10	"	
Pentachlorophenol	ND	3.1	50	"	
Phenanthrene	ND	0.56	10	"	
Phenol	ND	0.48	10	"	
Pyrene	ND	0.28	10	"	
Pyridine	ND	3.8	10	"	
1,2,4-Trichlorobenzene	ND	1.7	10	"	
2,4,5-Trichlorophenol	ND	0.61	10	"	
2,4,6-Trichlorophenol	ND	0.31	10	"	

Sequoia Analytical - Petaluma



Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD		
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	

Batch 3	3080223 -	EPA	3520B	LiaL	iauid
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Blank (3080223-BLK1)					Prepared: 08	8/12/03 Analyzed	d: 08/26/03			
Surrogate: 2-Fluorophenol	80.9			ug/l	150	54	15-103			,
Surrogate: Phenol-d6	101			"	150	67	18-115			
Surrogate: Nitrobenzene-d5	76.7			"	100	77	39-103			
Surrogate: 2-Fluorobiphenyl	73.5			"	100	74	40-124			
Surrogate: 2,4,6-Tribromophenol	124			"	150	83	11-142			
Surrogate: Terphenyl-d14	113			"	100	113	56-139			
Laboratory Control Sample (30802	223-BS1)				Prepared: 08	8/12/03 Analyze	d: 08/26/03			
Acenaphthene	96.6	1.2	10	ug/l	100	97	58-120			
4-Chloro-3-methylphenol	104	2.3	20	"	100	104	51-116			
2-Chlorophenol	85.8	0.31	10	"	100	86	28-111			
1,4-Dichlorobenzene	79.9	1.8	10	"	100	80	29-108			
2,4-Dinitrotoluene	122	0.82	10	"	100	122	60-114			Q-LIM
4-Nitrophenol	102	0.51	50	"	100	102	25-148			
N-Nitrosodi-n-propylamine	88.1	0.58	10	"	100	88	29-119			
Pentachlorophenol	108	3.1	50	"	100	108	40-131			
Phenol	77.2	0.48	10	"	100	77	22-117			
Pyrene	116	0.28	10	"	100	116	52-127			
1,2,4-Trichlorobenzene	90.6	1.7	10	"	100	91	24-131			
Surrogate: 2-Fluorophenol	100			"	150	67	15-103			
Surrogate: Phenol-d6	117			"	150	78	18-115			
Surrogate: Nitrobenzene-d5	93.3			"	100	93	39-103			
Surrogate: 2-Fluorobiphenyl	95.5			"	100	96	40-124			
Surrogate: 2,4,6-Tribromophenol	168			"	150	112	11-142			
Surrogate: Terphenyl-d14	116			"	100	116	56-139			
Laboratory Control Sample Dup (3	3080223-BSD	1)			Prepared: 08	8/12/03 Analyze	1: 08/26/03			
Acenaphthene	99.4	1.2	10	ug/l	100	99	58-120	3	27	
4-Chloro-3-methylphenol	105	2.3	20	"	100	105	51-116	1	30	
2-Chlorophenol	87.0	0.31	10	"	100	87	28-111	1	39	
1,4-Dichlorobenzene	80.0	1.8	10	"	100	80	29-108	0.1	41	
2,4-Dinitrotoluene	125	0.82	10	"	100	125	60-114	2	22	Q-LIM
4-Nitrophenol	99.4	0.51	50	"	100	99	25-148	3	44	
N-Nitrosodi-n-propylamine	88.5	0.58	10	"	100	88	29-119	0.5	44	
Pentachlorophenol	110	3.1	50	"	100	110	40-131	2	33	

Sequoia Analytical - Petaluma

RPD



Environmental Resources Management Project: Aerojet RI/FS P308140
2525 Natomas Park Drive, Suite 350 Project Number: N/A Reported:
Sacramento CA, 95833 Project Manager: Bruce Lewis 09/03/03 12:51

Reporting

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

Spike

Source

%REC

			Reporting		Spike	Source		%KEC		KrD	
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3080223 - EPA 3520B Liq	Liquid										
Laboratory Control Sample Dup (3080223-BSD	1)			Prepared:	08/12/03	Analyzed	1: 08/26/03			
Phenol	77.8	0.48	10	ug/l	100		78	22-117	0.8	33	
Pyrene	120	0.28	10	"	100		120	52-127	3	25	
1,2,4-Trichlorobenzene	90.2	1.7	10	"	100		90	24-131	0.4	48	
Surrogate: 2-Fluorophenol	101			"	150		67	15-103			
Surrogate: Phenol-d6	117			"	150		78	18-115			
Surrogate: Nitrobenzene-d5	93.5			"	100		94	39-103			
Surrogate: 2-Fluorobiphenyl	98.4			"	100		98	40-124			
Surrogate: 2,4,6-Tribromophenol	168			"	150		112	11-142			
Surrogate: Terphenyl-d14	120			"	100		120	56-139			
Batch 3080396 - EPA 3550A Son	nication										
Blank (3080396-BLK1)					Prepared:	08/21/03	Analyzed	1: 08/27/03			
Acenaphthene	ND	8.7	330	ug/kg							
Acenaphthylene	ND	7.6	330	"							
Anthracene	ND	14	330	"							
Azobenzene	ND	20	330	"							
Benzidine	ND	1700	1700	"							
Benzoic acid	ND	2.7	1700	"							
Benzo (a) anthracene	ND	7.6	330	"							
Benzo (b+k) fluoranthene (total)	ND	13	330	"							
Benzo (g,h,i) perylene	ND	8.8	330	"							
Benzo (a) pyrene	ND	10	330	"							
Benzyl alcohol	ND	11	660	"							
Bis(2-chloroethoxy)methane	ND	9.1	330	"							
Bis(2-chloroethyl)ether	ND	15	330	"							
Bis(2-chloroisopropyl)ether	ND	16	330	"							
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"							
4-Bromophenyl phenyl ether	ND	13	330	"							
Butyl benzyl phthalate	ND	11	330	"							
4-Chloroaniline	ND	58	660	"							
4-Chloro-3-methylphenol	ND	11	660	"							
2-Chloronaphthalene	ND	9.9	330	"							
2-Chlorophenol	ND	16	330	"							
4-Chlorophenyl phenyl ether	ND	13	330	"							

Sequoia Analytical - Petaluma



Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD		
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	

Batch 3080396 - EPA 3550A Sonication

Blank (3080396-BLK1)					Prepared: 08/21/03 Analyzed: 08/27/03
Chrysene	ND	11	330	ug/kg	
Dibenz (a,h) anthracene	ND	18	330	"	
Dibenzofuran	ND	9.6	330	"	
Di-n-butyl phthalate	ND	12	330	"	
1,2-Dichlorobenzene	ND	16	330	"	
1,3-Dichlorobenzene	ND	14	330	"	
1,4-Dichlorobenzene	ND	15	330	"	
3,3´-Dichlorobenzidine	ND	44	660	"	
2,4-Dichlorophenol	ND	15	330	"	
Diethyl phthalate	ND	14	330	"	
2,4-Dimethylphenol	ND	36	330	"	
Dimethyl phthalate	ND	11	330	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	
2,4-Dinitrophenol	ND	10	1700	"	
2,4-Dinitrotoluene	ND	20	330	"	
2,6-Dinitrotoluene	ND	13	330	"	
Di-n-octyl phthalate	ND	11	330	"	
Fluoranthene	ND	11	330	"	
Fluorene	ND	7.9	330	"	
Hexachlorobenzene	ND	15	330	"	
Hexachlorobutadiene	ND	17	330	"	
Hexachlorocyclopentadiene	ND	10	330	"	
Hexachloroethane	ND	17	330	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	
Isophorone	ND	14	330	"	
2-Methylnaphthalene	ND	10	330	"	
2-Methylphenol	ND	16	330	"	
4-Methylphenol	ND	11	330	"	
Naphthalene	ND	13	330	"	
2-Nitroaniline	ND	17	1700	"	
3-Nitroaniline	ND	18	1700	"	
4-Nitroaniline	ND	22	1700	"	
Nitrobenzene	ND	16	330	"	
2-Nitrophenol	ND	14	330	"	

Sequoia Analytical - Petaluma

RPD

%REC



Environmental Resources Management Project: Aerojet RI/FS P308140
2525 Natomas Park Drive, Suite 350 Project Number: N/A Reported:
Sacramento CA, 95833 Project Manager: Bruce Lewis 09/03/03 12:51

Reporting

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

Spike

Source

Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3080396 - EPA 3550A Sor	nication										
Blank (3080396-BLK1)					Prepared:	08/21/03	Analyzed	: 08/27/03			
4-Nitrophenol	ND	23	1700	ug/kg	-						
N-Nitrosodimethylamine	ND	16	330	"							
N-Nitrosodiphenylamine	ND	17	330	"							
N-Nitrosodi-n-propylamine	ND	15	330	"							
Pentachlorophenol	ND	12	1700	"							
Phenanthrene	ND	14	330	"							
Phenol	ND	12	330	"							
Pyrene	ND	12	330	"							
1,2,4-Trichlorobenzene	ND	15	330	"							
2,4,5-Trichlorophenol	ND	14	330	"							
2,4,6-Trichlorophenol	ND	9.4	330	"							
Surrogate: 2-Fluorophenol	2640			"	5000		53	11-120			
Surrogate: Phenol-d6	3060			"	5000		61	16-130			
Surrogate: Nitrobenzene-d5	2060			"	3330		62	16-126			
Surrogate: 2-Fluorobiphenyl	2310			"	3330		69	28-134			
Surrogate: 2,4,6-Tribromophenol	3840			"	5000		77	51-144			
Surrogate: Terphenyl-d14	3290			"	3330		99	64-119			
Laboratory Control Sample (3080)	396-BS1)				Prepared:	08/21/03	Analyzed	: 08/27/03			
Acenaphthene	2770	8.7	330	ug/kg	3330		83	34-114			
4-Chloro-3-methylphenol	2890	11	660	"	3330		87	24-118			
2-Chlorophenol	2420	16	330	"	3330		73	29-101			
1,4-Dichlorobenzene	2270	15	330	"	3330		68	25-104			
2,4-Dinitrotoluene	3520	20	330	"	3330		106	42-116			
4-Nitrophenol	3180	23	1700	"	3330		95	31-109			
N-Nitrosodi-n-propylamine	2510	15	330	"	3330		75	23-117			
Pentachlorophenol	3160	12	1700	"	3330		95	34-114			
Phenol	2340	12	330	"	3330		70	20-105			
Pyrene	3500	12	330	"	3330		105	30-124			
1,2,4-Trichlorobenzene	2610	15	330	"	3330		78	28-112			
Surrogate: 2-Fluorophenol	3070			"	5000		61	11-120			
Surrogate: Phenol-d6	3310			"	5000		66	16-130			
Surrogate: Nitrobenzene-d5	2430			"	3330		73	16-126			
Surrogate: 2-Fluorobiphenyl	2600			"	3330		78	28-134			
Surrogate: 2,4,6-Tribromophenol	4690			"	5000		94	51-144			

Sequoia Analytical - Petaluma



Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD	
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 3080396 - EPA 3550A Sonication

Laboratory Control Sample (3080396	-BS1)				Prepared:	08/21/03	Analyze	d: 08/27/03			
Surrogate: Terphenyl-d14	3410			ug/kg	3330		102	64-119			_
Matrix Spike (3080396-MS1)	Sou	rce: P30818	4-01		Prepared:	08/21/03	Analyze	1: 08/27/03			
Acenaphthene	2760	8.7	330	ug/kg	3330	ND	83	30-110			
4-Chloro-3-methylphenol	2930	11	660	"	3330	ND	88	27-109			
2-Chlorophenol	2330	16	330	"	3330	ND	70	24-98			
1,4-Dichlorobenzene	1990	15	330	"	3330	ND	60	24-89			
2,4-Dinitrotoluene	3590	20	330	"	3330	ND	108	35-110			
4-Nitrophenol	3280	23	1700	"	3330	ND	98	20-110			
N-Nitrosodi-n-propylamine	2350	15	330	"	3330	ND	71	23-109			
Pentachlorophenol	3030	12	1700	"	3330	ND	91	25-123			
Phenol	2260	12	330	"	3330	ND	68	19-100			
Pyrene	3550	12	330	"	3330	ND	107	12-131			
1,2,4-Trichlorobenzene	2460	15	330	"	3330	ND	74	17-110			
Surrogate: 2-Fluorophenol	3130			"	5000		63	11-120			_
Surrogate: Phenol-d6	3450			"	5000		69	16-130			
Surrogate: Nitrobenzene-d5	2510			"	3330		75	16-126			
Surrogate: 2-Fluorobiphenyl	2690			"	3330		81	28-134			
Surrogate: 2,4,6-Tribromophenol	5150			"	5000		103	51-144			
Surrogate: Terphenyl-d14	3680			"	3330		111	64-119			
Matrix Spike Dup (3080396-MSD1)	Sou	rce: P30818	4-01		Prepared:	08/21/03	Analyze	1: 08/27/03			
Acenaphthene	3030	8.7	330	ug/kg	3330	ND	91	30-110	9	26	
4-Chloro-3-methylphenol	3190	11	660	"	3330	ND	96	27-109	8	21	
2-Chlorophenol	2580	16	330	"	3330	ND	77	24-98	10	27	
1,4-Dichlorobenzene	2180	15	330	"	3330	ND	65	24-89	9	25	
2,4-Dinitrotoluene	3690	20	330	"	3330	ND	111	35-110	3	15	QM-07
4-Nitrophenol	3280	23	1700	"	3330	ND	98	20-110	0	23	
N-Nitrosodi-n-propylamine	2660	15	330	"	3330	ND	80	23-109	12	31	
Pentachlorophenol	3120	12	1700	"	3330	ND	94	25-123	3	43	
Phenol	2440	12	330	"	3330	ND	73	19-100	8	21	
Pyrene	3550	12	330	"	3330	ND	107	12-131	0	26	
1,2,4-Trichlorobenzene	2750	15	330	"	3330	ND	83	17-110	11	30	
Surrogate: 2-Fluorophenol	3420			"	5000		68	11-120			
Surrogate: Phenol-d6	3720			"	5000		74	16-130			
-											

Sequoia Analytical - Petaluma



Project: Aerojet RI/FS Project Number: N/A

Project Manager: Bruce Lewis

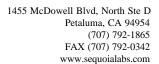
P308140 **Reported:** 09/03/03 12:51

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD	
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 3080396 - EPA 3550A Sonication

Matrix Spike Dup (3080396-MSD1)	Source: P308184-01		Prepared: 08	3/21/03 Analyzed:	08/27/03
Surrogate: Nitrobenzene-d5	2790	ug/kg	3330	84	16-126
Surrogate: 2-Fluorobiphenyl	2990	"	3330	90	28-134
Surrogate: 2,4,6-Tribromophenol	5150	"	5000	103	51-144
Surrogate: Terphenyl-d14	3680	"	3330	111	64-119





Notes and Definitions

J Estimated value.

Q-LIM The percent recovery was outside of the control limits. The samples results may still be useful for their intended purpose.

QM-07 The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

S-LIM The surrogate recovery was outside control limits. The result may still be useful for its intended purpose.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

7.67.35 v. 4				ER: PINK	3RD COPY – SAMPLER: <i>PINK</i>		- LABORATORY: YELLOW	2ND COPY - LABORAT		ENVIRONMENTAL OPERATIONS: WHITE	ORIGINAL - ENVIRONME
	8-8-03 6	8	i.		2	(Í	-			COMMENTO.
240	3/8/02 12	Sci O	100	3)	TO K	100 TAN	2/8/0	70	Ser 1	TOWN WAY OF COMMENT
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	MOMOS	1/05	touck	ISIGNATI IRE	R 1	BECEIVED.	0 13	DATE/INE	VVVVC	MAURIN	BEI INCIDISHED BY: (SIGNATURE)
TOTAL NO. OF SAMPLE CONTAINERS:			6	AUNE)	ED BY://SIGNA	√ Z	2	OATE/TIME	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1001 V	BELINOUISHED BY: (SIGNATURE)
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AUP	7	X			ns I	276 1104	1050	08/07/03	\square		1117 G 33
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	<i>p</i>	X			I GSM	5×5/2 " 9×6/2	0953	06 67/03	15 6	330-51501-15	1117 D 3
	W	X			1 GAN	2x611	0937	08/07/03	10	0F1058-0	1117 C 33D
	2	X			1 GW	52529	0855	3h1/03	5	33D-5801-5	1117 B 33
	1901/30	X			2	1,982	458	08/07/03		315301-1	1117 A 33
REMARKS	, LABO	51	MET	VOL.		TYPE OF CONTAINER	TIME	DATE MM/DD/YY	DEPTH (FT.)	FIELD SAMPLE NO.	COC SAMPLE ID
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Cicking		270	SW-006	PA 8240			6	10,17,0	NO T	AUGER HOLE NO:	SOURCE SITE NO:
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Nº 1117		3	Record		tod	Custody	2	Chain		回	AEROJ
		•)	1	<u>)</u>		20	GENCORP

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

		/	R				+/-2°C) Yes / No*	requiring thermal pres.:4+/-2°C)
ø		1	5					(Acceptance range for samples
							(3.6	12. Temp Rec. at Lab:
				3			Yes/No*	used:
) <	11. Proper Preservatives
							Yes / No*	hold time:
			/				lin V	10. Sample received within
			7				Yes// No*	labels agree?
				{)	reports and sample
				X			ĬĊ	custody reports, traffic
								9. Does information on
				-		1	Leaking*	
	+	(>			Intact / Broken* /	8. Sample Condition:
	en e	∧	MC	27			on Chain-of-Custody	
		8	102	131			Listed / Not Listed	7. Sample IDs:
		4	+	40			Present / Absent	6. Sample Labels:
	Service Service		eser (decima mente _{care}	3-30-5801-55				5. Airbill #:
	SW TO (pyg spycores		осно токурина селод	SB010-30			Present / Absent	
			PARTANETIN (SIGN)	V 30			Airbill / Sticker	4. Airbill:
		CONTRACTOR	America de la Companya de la Company	1, 20			Present (Absent	Packing List:
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		Military and Constitution of the Constitution		10			Present / Absent*	2. Chain-of-Custody
	and the			1 5			Intact / Broken*	
	8-7-3	3	DUM	330-5801-1			Present /Absent	 Custody Seal(s)
CONDITION (ETC.)	MATRIX SAMPLED	MATRIX	DESCRIPTION	CLIENT ID	#	SAMPLE #		
	DATE	SAMPLE				LAB	CIRCLE THE APPROPRIATE RESPONSE	CIRCLE THE APP
urposes: YES/NO	regulatory purposes:		/			_		
urposes: YES/NO) for	regulatory purposes: (Wastewater) for		8/8/03	TIME Received at Lab: LOG IN DATE:		8146	05C Carry	REC. BY (PRINT) WORKORDER:
	(Drinking water) for	•	8-8-03	DATE Received at Lab:	•		Awayet	CLIENT NAME:
							,	

Sample Receipt Log Revision 2.1 (11/10/00) Replaces Revision 2 (11/06/00) Effective 11/12/00

*If Circled, contact Project Manager and attach record of resolution.

Page.

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